

## PASTOR SPEAKS BEFORE KIWANIS

Club Votes to Attend Farewell Services Next Sunday

Members of the Ogden Kiwanis club will attend the First Congregational church in a body next Sunday morning on the occasion of the Rev. Godfrey Matthews delivering his farewell sermon prior to his departure for San Francisco where he will become pastor of the Congregational mission church. The Rev. Matthews is a member of the Kiwanis club.

The Rev. Matthews was principal speaker at the Kiwanis meeting held in the Weber club today at noon. Referring to his departure from Ogden, he said there were times when it was easier to sing "I'll Go Where You Want Me to Go, Dear Lord" and times when the going was hard, and that was his experience at this time. He said he had traveled over one-half of the earth's surface and Ogden had become deep rooted in his affection.

Four years ago he did not know there was such a town as Ogden. His first knowledge of the existence of this city was when he received an invitation to become pastor of the local church. He told how he was met at the station by Dr. E. P. Mills, "a real booster" who showed him over the town. He was impressed with its beautiful location and scenery. But what impressed him most was the true friendship of its citizens and that in spite of the differences in religious beliefs, he had experienced four years of real happiness here.

The Rev. Matthews spoke in high terms of the aims of the Kiwanis club and said if he affiliated himself with the club in San Francisco he knew what kind of men he would associate with.

Each member of the club was presented with a framed copy of the Kiwanis code of business ethics. Miss Blanche Walberg sang two solos.

### TELEPHONES

Business and Circulation Dept., 55  
Classified Ads., 58  
Advertising Dept., 428  
Editorial and News Dept., 473

### RANDOM REFERENCES

**Boys Return Home**—Members of troop 72 of the boy scouts returned to their homes in Salt Lake yesterday after a four-day hike in Ogden canyon and adjacent scenic points. During the hike the boys scouted Mt. Ogden by moonlight, the feat being facilitated through the assistance of Scouts Jay Glenn, Fred Carr and Clarence Sawyer of troop 4 of Ogden. The scouts also assisted in the climb to Alan's heights, also a night climb. For two days the scouts made their camp at Winter's grove near Huntsville and were the special guests of the proprietors. The boys on the trip were assisted by E. C. Moyer, chairman of the troop committee, and Scoutmaster A. W. Sadler.

Expert paper cleaning, Phone 327-W 5835

Dr. John Finley Morrison, Osteopath, 517 Eccles Bldg. Hours 10 to 12 a. m., 1:30 to 5 p. m. 3358

**Licenses Granted**—Marriage licenses have been issued in the office of the county clerk to Lorin Manassa and Winifred V. M. Ogden; Frank E. Gunn and Elsie C. Bingham of Ogden; and Robert Stiles Maxfield of Harrisville and Lena Jensen of Farr West.

**Ogden Typewriter House** for typewriters and repairs, 2423 Hudson avenue. Phone 226.

**Distilled Water** ice exclusively. Ogden City Ice Company, 2575 Highland 6398

Waldron, E. Y. The Magazine Man, 5817

**Road Agreement**—Information has been received in the office of J. P. Martin, district engineer of the forestry service, to the effect that the Utah state road commission has agreed to accept fifty per cent of the expense for the repair and maintenance of the following roads in southern Utah for a period of two years: Ephraim-Orangeville road, Cedar City-Long valley road, Heber-Fruitland, Salina-Emery road, Sevier-Cove Fork road, Modina-St. George road, and the Kamas-Strochmore project.

**Con. E. Bohn**—Insurance, Fire and Auto, 417 Eccles Bldg. Phone 1940, 6356

Weber Floral furnishes the flowers, 7763

The creation of Eve is represented in the sculptured panel over the entrance to the Milan Cathedral and other scriptural events are depicted in stone in the side panels.

# Radiographs

## SUPER-REGENERATIVE WORKINGS EXPLAINED

By PAUL F. GODLEY,

America's Foremost Radio Authority

This is the fifth of a series of articles on the Armstrong super-regenerative circuit.

The inductive coupler used in the super-regenerative set may be assembled very handily by arranging a variometer of standard make alongside a coil about five inches in diameter around which 25 turns of number 22 double magnet wire have been wound.

The supporting form of this coil should be of such size that it may be set up close and still permit the ball of the variometer to turn freely.

Care should be taken to see that the windings upon the coil are running in the same direction as those upon the variometer as they sit side by side. If the connections indicated in Figure 3 are used, otherwise regenerative action would be impossible.

With the completion of this coupler and the air core choke, and the purchase of the other parts listed in this column yesterday, the radio fan is ready to hook up his set.

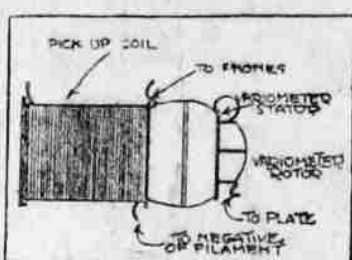


Figure 3—The Inductive Coupler.

To set this circuit in operation, carefully check all connections, according with Figure 2, published here yesterday. Then place a pair of headphones between the positive terminal of the "B" battery and the inductance, 14, of the controller circuit.

Then light the filament of the tube. Set condenser, C4, at very near the full scale value.

Adjust C2, temperature of the filament and "B" battery until a very high pitched audible tone is heard. Remove the phones from the controller circuit. It continues to oscillate.

Tube R is next lighted and the pick-up circuit and tickler are adjusted for a given station until the circuit is oscillating strongly. If a fairly strong "pluck" is heard in the telephone, both when the finger is placed upon, and removed from, the grid terminal of the tube R, the circuits are in oscillation.

In advancing the tickler from a minimum setting toward a maximum, a point will be passed where a great hissing noise is heard in the telephone. The advance of the tickler control having been continued, the hissing begins to lessen and, finally, almost—if not entirely—stops.

At that time the circuits are approximately properly adjusted for reception. In order to reach this stage, some little adjustment of filament current, "B" battery, and circuits, may be necessary. After the proper combination is found, however, practice with the circuits will soon enable their ready use.

(Copyright, 1932, NEA Service.)

## HOOK-UP WITH FILTER ADDS TO AMPLIFICATION

By PAUL F. GODLEY,

America's Foremost Radio Authority

This is the fifth of a series of articles on the Armstrong super-regenerative receiver.

The circuits of the super-regenerative set described in these articles will give a very fair signal without using any antenna. If the receiver is set up within a radius of 15 miles of a first-class broadcasting station.

Where the distance is greater, the use of a loop antenna is essential.

This should be constructed to be four feet on each side.

Take two sticks, a little more than 5 1/2 feet long and fasten them to form a square cross-section, as indicated in the diagram.

A small-sized flexible lamp cord (single strand) is satisfactory for this type of antenna, although any wire between sizes number 16 and number 22 may be used.

About 12 turns will be sufficient for the reception of wave lengths between 200 and 600 meters.

**OTHER HOOK-UP.** If the amplification of this circuit is not great enough, the hook-up shown in Figure 4 may prove more satisfactory. It is a bit more complicated.

The telephones are removed from the regenerative circuit and placed in the plate circuit of the oscillator tube O.

Under these circumstances, this tube, in addition to being a controller, acts also as a rectifier and amplifier.

These additional actions are possible because the incoming signal, as generated by the circuits in tube R.

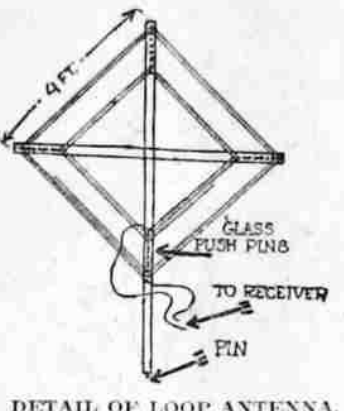
appears to modulate the low frequency oscillations of the tube O in accordance with the changes or modulations of the incoming signal. The potentials generated in the inductance L1 are thrown upon the grid of the tube O, thus modulating the oscillations of this tube in conformity with the variations of the incoming signal. Since the tube is at all times in regenerative action, it amplifies regenerative action, a resultant of its own modulated oscillations.

**DISADVANTAGES.** The difficulty encountered in this method lies in the presence in the telephone receivers of the high-pitched oscillations previously referred to. In experimenting with the circuit, this oscillation may be ignored or, by adjustment, be so pitched as to become unnoticeable after a time.

But since with the super-regenerative system the greatest amplification seems to be obtained when low controller frequencies are used, it is desirable to devise a method of getting around the difficulty.

This may be done by interposing a "frequency trap" or filter between the telephones and the receiver circuits.

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DETAIL OF LOOP ANTENNA.

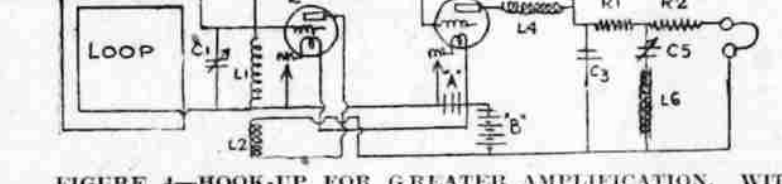


FIGURE 4—HOOK-UP FOR GREATER AMPLIFICATION, WITH FILTER CIRCUIT.

## THIRD TUBE IS AUDIO-FREQUENCY AMPLIFIER

By PAUL F. GODLEY,

America's Foremost Radio Authority

This is the seventh of a series of articles on the Armstrong super-regenerative receiver.

A combination of three tubes may be used in the super-regenerative receiver circuit.

The third tube acts as an audio frequency amplifier and is coupled to the plate circuit of the controller or oscillator tube through an audio frequency transformer.

Where this arrangement is used, the filter circuit becomes essential, for the received signals are very powerful. Any of the high pitched oscillations generated by the circuits of the tube O will be amplified to the point where they may completely mar the voice or music.

It is not easy to construct the filter circuit.

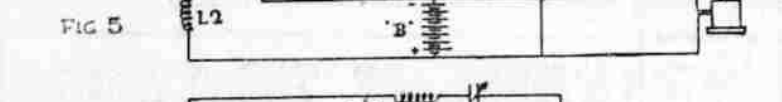
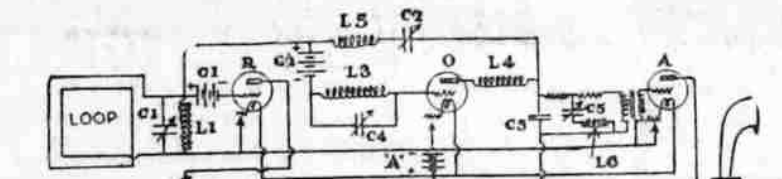
The resistances, R1 and R2, should be non-inductive and have a value of 10,000 to 15,000 ohms each. They may be purchased from a supply store in the form of carbon resistance rods, or they may be one of the several special types of resistance units such as the lavite units used by the Western Electric company.

Condenser C5 should be variable of a maximum capacity of .005 MF. This is a fairly large variable unit and rather expensive.

The inductance, L5, is an iron core, having a value of approximately one henry, and may be ordered from any catalogued manufacturer.

Figure 6 shows a compromise circuit using three tubes. The results with this last circuit will compare very favorably with those of the circuit in the other figure. It is simply suited for use in conjunction with the loud speaker. The advantage gained here is that little, if any, of the audible oscillation of the circuits of the tube O will be apparent.

**FOUR TUBES.** With either of these circuits a fourth tube may be added. If this is done, a tube of somewhat larger capacity than



THREE-TUBE SUPER-REGENERATIVE CIRCUITS.

The ordinary amplifying tube will be required for the best results. For example, a five-watt transmitter tube such as Radiotron UV202 will serve. This tube will require upward of 150 volts on the plate.

Attention is called to the grid battery in the grid circuits of tubes R and O.

This is a refinement which tends to give stability to the circuits and to induce distortion of voice and music. This battery will range from 1.5 to 6 volts, and may be changed 1.5 volts at a time, thus enabling the use of three or four dry cells in series.

**BREWER SUES ON ACCIDENT POLICY**

F. J. Bremer of Ogden today filed suit in the district court against the Massachusetts Bonding and Insurance company seeking judgment for \$750. Mr. Bremer set forth that he held an accident policy for \$750 when he lost the sight of one eye September 3, 1931, while employed by the Utah-Idaho Central railroad. He alleges the company refuses to pay the amount of the policy.

Mr. Bremer alleges he lost the sight of his eye when the head flew from a bolt while he was working upon a car.

**WED UNDER DURESS, A. L. POWELL CLAIMS**

Arthur L. Powell has filed answer to a divorce suit recently instituted in the district court by Anona Powell in which he asks the court to award him the decree rather than his wife.

Mr. Powell explains that he has not lived with his wife since the marriage in Brigham, February 29, last, and he was induced to marry by threats and undue influence.

**PERMIT ISSUED FOR STOCKYARDS OFFICE**

Permit for the construction of an 18-room office building was issued in the office of Walter S. Craven, city engineer, this morning to the Union Stockyards company. The building is now under construction in the yards in West Ogden and will be completed before fall. It was said. The structure will cost \$10,000 and will be used as headquarters for commission companies.

**DIRIGIBLE BALLOON MAKES LONG FLIGHT**

BELLEVILLE, Ill., July 27.—(By the Associated Press.)—The longest flight ever attempted by the army lighter-than-air service was completed today when the dirigible balloon A-4 arrived at Scott field, near here. The blimp arrived from Langley field, Va., a distance of approximately 1100 miles in 40 hours and 46 minutes of actual flying time. Two stops were made.

## NO MORE PIMPLES

It is easy to have a fresh, clear, radiant skin free from pimples, blackheads and other blemishes. Just take two pleasant-tasting tablets of Ironized Yeast three times a day. Everyone knows how yeast clears the skin and makes it velvety and smooth. And the new secret "Ironization" process enables the yeast to produce results twice as quickly. Get Ironized Yeast from your druggist today. You'll soon have a complexion that any school girl might envy.

**FREE TRIAL** To try Ironized Yeast entirely free simply mail postcard for Famous 3-Day Trial Treatment. Address the Ironized Yeast Co., Dept. 102, Atlanta, Ga.

**IRONIZED YEAST Tablets**

THE ONLY YEAST THAT IS GENUINELY IRONIZED

COULOMB—The unit of measurement for the quantity of electricity passing through a circuit. One coulomb is the quantity of electricity transferred by a current of one ampere in one second.

**RADIO PRIMER**

Diaphragm—The thin metal disc in a telephone receiver or transmitter which is made to vibrate by periodic attractions of the magnet in the receiver, or by the voice waves spoken into the transmitter. The best diaphragms for radio phones are of a mica-aluminum composition.

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# Louise Shop

2455... WASHINGTON

## Louise Makes a "Scoop"



Secures Voile Dresses Worth \$10—to Sell at \$2.98

Four thousand dresses in one cash purchase. That's the way our New York office works. Our share was just dresses. Voiles made to sell at \$10. Soft, drapy voiles for now and all fall. Plenty of large sizes—as large as 48. Selling begins tomorrow morning at 9 o'clock—\$2.98.

## Jumper Frocks \$1

For Tomorrow and Saturday

Come a-shopping tomorrow. Jumper frocks are a dollar. Some with sleeves—some without. Some with collars. All washable—easily ironable—extremely comfortable—economical—and very adaptable. Tomorrow and Saturday the price is One Dollar. Many are of higher value.

## A. P. TAKES GLOOMY VIEW

Troops Ready, Thousands Idle, Plants Closed, Trains Delayed, Strikes

COLUMBUS, O., July 27.—State troops are mobilized at their armories and concentrated in the coal mining districts; thousands of miners and railroad shopmen are idle; public utilities, smaller manufacturing concerns and state institutions in some sections face imminent coal shortages, blast furnaces and steel mills are banking their fires because of lack of fuel.

Freight movement is delayed over some roads; lake shipping is on the decline and in some places facing a shutdown; railroad passenger service is curtailed.

Retail coal dealers stocks are depleted; concerns doing retail business in mining and railroad centers complain of depression—these are some of the effects of the coal and railroad strikes in Ohio as indicated by a survey of the conditions by the Associated Press.

Of the larger industrial concerns of the state, steel mills probably were the most seriously affected by the strike. With additional business available, increased activities of the mills and furnaces were hampered by inability to receive assurance of sufficient fuel and in the Youngstown district many blast furnaces already have been banked.

Besides coal shipments, movement of livestock and grain was said to have been delayed by the shop strike, in some cases causing death of livestock en route to markets.

A steady movement of produce toward market centers was reported, however.

## FUNERALS

Funeral services for Antje Beeton, wife of George Beeton, were held at 4 o'clock Wednesday afternoon in the Deweyville meeting house. Bishop C. Dewey presided. Speakers were George C. Dewey, Hyman Jensen, E. A. Larkin and Bishop Dewey. The grave in Deweyville cemetery was dedicated by H. M. Marble.

Funeral service for Gertrude Wilson were held Wednesday at 4 o'clock in the Second ward meeting house with Bishop W. E. Newman conducting. Speakers were Elder T. R. Jones, E. V. A. Olson and President Robison, of South Davis stake. Bishop Newman dedicated the grave in the city cemetery.

**GUARD REMOVED FOR SAFE KEEPING**

CRESTON, Iowa, July 27.—J. R. Sears, Chicago, Burlington and Quincy railroad guard, arrested Wednesday for shooting C. A. Blodgett and K. McCloud, striking shopmen, on picket duty here, was removed by Sheriff N. P. Collins to the county jail at Red Oak, Iowa, for safe keeping.

United States Marshal Gay Brewer is sending 15 deputies here from Des Moines to preserve order. The railroad guards have been drawn into the shops and roundhouse and city police and deputy sheriffs are patrolling the yards.

Blodgett, who was believed to have been seriously wounded, was operated on Wednesday afternoon, and three bullets removed. He was shot five times. Hospital physicians say he has a slight chance to recover.

Sears says he shot the men because they invaded the company's property. The men claim they were shot without warning.

**RHEUMATISM AT 6**

S. S. S. Thoroughly Rids the Body of Rheumatism Impurities.

Somebody's mother is suffering tonight. The scourge of rheumatism has wrecked her body; she is suffering, bent forward, at the common ground, at the heart still belongs to the place anybody care? S. S. S. is the greatest blood-purifier known. It helps build more blood cells. It is in fact, a splendid tonic. It makes a blood enricher. It purifies the entire body. It builds from the inside out. Mother, if you can't get a bottle of S. S. S. today, surely somebody in your family is making a blood enricher. Let somebody's mother be tonight. Mother, if you can't get a bottle of S. S. S. today, surely somebody in your family is making a blood enricher. Let somebody's mother be tonight. Mother, if you can't get a bottle of S. S. S. today, surely somebody in your family is making a blood enricher. Let somebody's mother be tonight.

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## TO PAY DEBTS WITH PROPERTY

Underwood Bill Designed To Wipe Out American War Claim

WASHINGTON, July 27.—The Underwood bill to create an American commission to adjudicate American war claims against Germany and Austria and to pay such claims out of seized enemy alien property was endorsed by A. Mitchell Palmer, former attorney general and alien property custodian today before a senate judiciary sub-committee.

Mr. Palmer, and another former alien property custodian, Francis P. Garvan, now head of the chemical foundation and the present alien property custodian, Thomas W. Miller, appeared before the sub-committee today at the opening of hearings on the bill.

The Underwood bill, Mr. Palmer declared, "is entirely feasible and an entirely proper method under the treaties and the trading with the enemy act, of disposing of this enemy property, of passing upon, adjudicating and paying meritorious claims of American citizens and of the United States government."

**A CLAIMS COMMISSION** Chairman Cummings of the sub-committee announced in opening the hearings that they would be limited to the two propositions in the Underwood bill, creation of a claims commission and disposition of seized enemy property.

"We are not going into any investigation of the former or present alien property custodians," said Chairman Cummings.

Mr. Palmer expressed the opinion that under the treaty of Versailles and what he termed "the separate treaty of peace with Germany," all American rights were retained including the rights to use seized property to pay American claims.

**PULLMAN COMPANY LOSES TAX CASE**

MADISON, Wis., July 27.—The Wisconsin supreme court today upheld the state tax commission assessment against the Pullman Sleeping Car company and ordered payment of back taxes amounting to nearly \$200,000 accumulated since the case was commenced in the Dane county circuit court in 1913. Justice Jones reversed the lower court decision and directed a judgment for the state, sustaining the constitutionality of the statute governing valuation of railroad property.

The Pullman company was assessed \$21,213 as its tax for 1913, paid \$10,728 of that amount and refused to pay the remainder as it has continued to do during the following years up to the present, claiming that the state had assessed intangible property outside of Wisconsin for taxing purposes.

**GOODWOOD CUP**

LONDON, July 27.—The Goodwood cup was won today by Mrs. Gilbert Robinson's four year old colt, Flamboyant, quoted at 30 to 1. On the second day of the Goodwood races, the second and W. H. Dixon's Bumble Bee, third. Five horses ran.

Her hair's not bobbed, she's no rouge. She swears she's a farm girl. She can operate a farm tractor, harrow or cream separator, willing to box ten rounds with amateur man or woman. Let Miss Frances Dunn be the "Pride of Detroit."

**DETROIT'S PRIDE**

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## When You Plan Improvements in Your Store, Offices or Bank

Be sure to get designs and estimates from this strictly western house with years of experience in the manufacture and installation of fixtures, wall cases, show cases, interior work, etc. All made to your order at the lowest prices consistent with excellent materials and workmanship. We have no branches or agents. We deal direct with you.

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